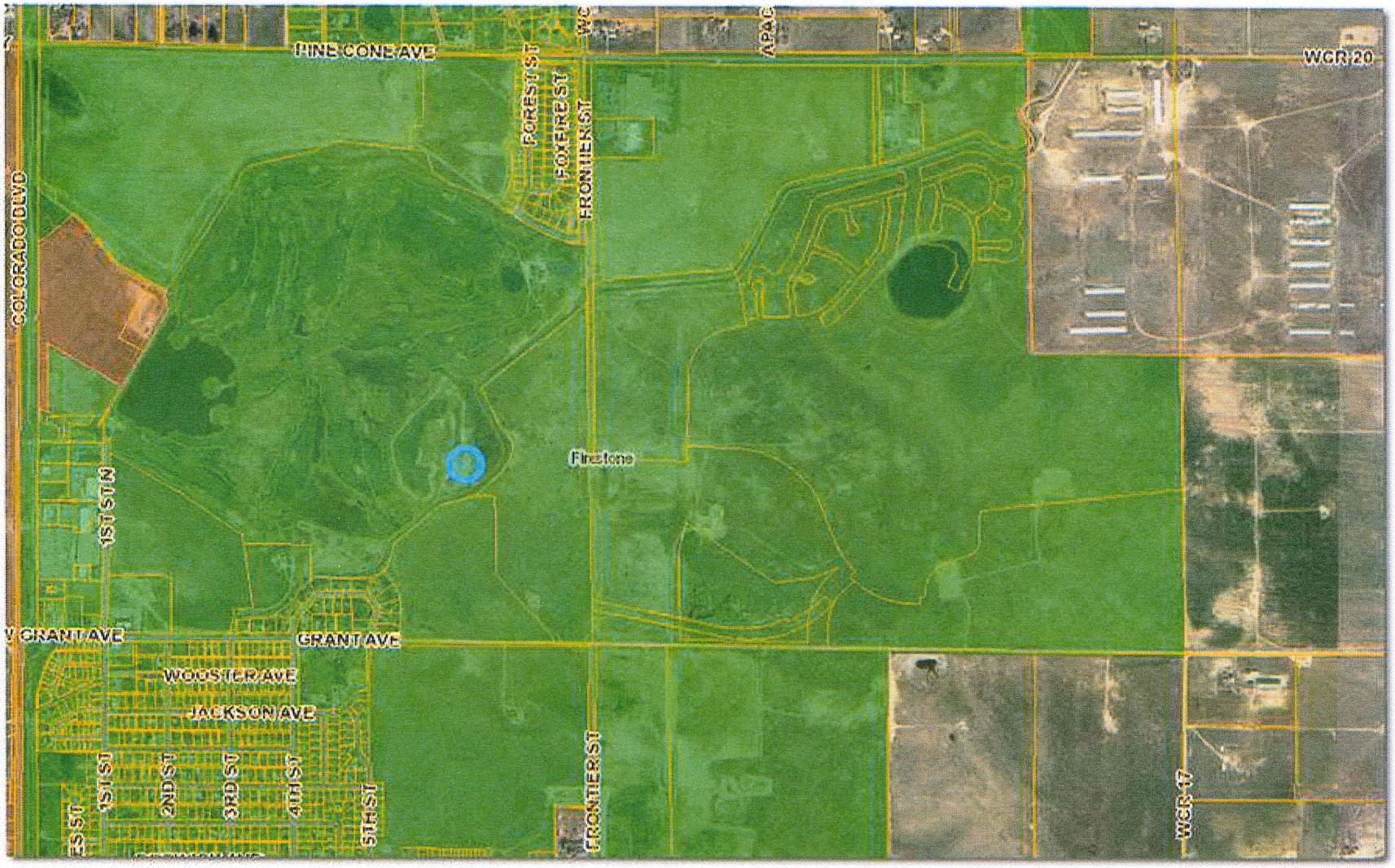
Rocky Mountain Fuel V 19-09JI



FORM 6 Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

DE	ET	OE	ES

Document Number: 401452144

Date Received: 11/07/2017

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 47120 Contact Name: CHERYL LIGHT

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6461

Address: P O BOX 173779 Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217- Email: cheryl.light@anadarko.com

For "Intent" 24 hour notice required, COGCC contact: Name: Gomez, Jason Tel: (970) 573-1277 Email: jason.gomez@state.co.us

API Number 05-123-20846-00

Well Name: ROCKY MOUNTAIN FUEL V Well Number: 19-09JI

Location: QtrQtr: NESE Section: 19 Township: 2N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number:

Field Name: SPINDLE Field Number: 77900

☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.121090 Longitude: -104.927790

GPS Data:

Date of Measurement: 06/19/2007 PDOP Reading: 2.4 GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 1125

Fish in Hole: ☐ Yes ☒ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7589	7609			
J SAND	8026	8064			
NIOBRARA	7386	7466			

Total: 3 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	24	817	326	817	0	VISU
1ST	7+7/8	4+1/2	11.6	8,165	190	8,165	7,040	CBL
			Stage Tool	5,260	180	5,264	4,240	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7970 with 2 sacks cmt on top. CIPB #2: Depth 7330 with 2 sacks cmt on top.

CIBP #3: Depth 80 with 25 sacks cmt on top. CIPB #4: Depth _____ with _____ sacks cmt on top.

CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 15 sks cmt from 6580 ft. to 6390 ft. Plug Type: CASING Plug Tagged: ☐

Set 15 sks cmt from 3780 ft. to 3590 ft. Plug Type: CASING Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 6950 ft. with 120 sacks. Leave at least 100 ft. in casing 6580 CICR Depth

Perforate and squeeze at 4150 ft. with 120 sacks. Leave at least 100 ft. in casing 3780 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 200 sacks half in. half out surface casing from 1225 ft. to 767 ft. Plug Tagged: ☒

Set 25 sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: CHERYL LIGHT

Title: SR REGULATORY ANALYST Date: 11/7/2017 Email: DJREGULATORY@ANADARKO.COM

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: McCoy, Diane Date: 4/25/2018

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 10/24/2018

COA Type	Description
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Properly abandon all flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 3) Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare. 4) Production casing stub plug is also surface casing shoe plug, this plug must be tagged at 767' or shallower. Leave at least 100' of cement in the wellbore for each plug.
	Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.

Attachment Check List

Att Doc Num	Name
401452144	WELL ABANDONMENT REPORT (INTENT)
401452161	PROPOSED PLUGGING PROCEDURE
401452162	WELLBORE DIAGRAM
401619536	FORM 6 INTENT SUBMITTED

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	Deepest water well within one mile = 730'. Corrected label from stage cement to stage tool.	04/25/2018
Public Room	Document verification complete 11/27/17	11/27/2017

Total: 2 comment(s)

THE PLUG & ABANDONMENT PROCESS

When a well is no longer economically producing oil and natural gas, the well is evaluated for retirement and will undergo a process called 'plug and abandonment,' or P&A as it is often called.

To retire, or P&A, a well, the operator must submit a plug and abandonment plan to the state regulatory authority, the Colorado Oil and Gas Conservation Commission (COGCC) for approval.

Once the plan is approved by the COGCC, the operator is required to inform the municipality where the well is located. Operators also communicate with surface land and mineral owners and surrounding neighbors regarding the retirement of the well.

How a A Well is Retired

1 A workover rig arrives on-site. While the rig is on location, the well will be plugged per the plan approved by the COGCC. Cement is pumped into the well to cover and isolate the zones that produce oil and natural gas.

2 When the plugging operation is complete, the workover rig moves off the location, the well head is removed and the associated flowlines are excavated. Associated surface equipment (tanks, separators, etc.) may also be removed if it is not serving other active wells in the area.

3 The remaining portion of the well is cut a minimum of seven feet below the surface and an identifying marker is welded to the top of the plugged wellbore.

COLORADO
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4 A final report is submitted to the COGCC to certify the wellbore has been plugged in accordance with the regulatory requirements.

5 The site is reclaimed, or restored, to match the existing landscape.

Colorado Response Line: 1-866-248-9577 | anadarkocolorado@anadarko.com

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